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CENTRAL INTELLIGENCE AGENCY

REPORT

INFORMATION REPORT

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THIS IS UNEVALUATED INFORMATION

1. Danska a Hutni, National Corporation, has its directorate in Prague II, Lazarska 7, which is, however, being transferred to Cesky Tesin. This corporation represents the following plants:
 - a. Ironworks in Trinec.
 - b. Cast iron and non-ferrous metals foundries in Olomouc.
 - c. Piping plant, radiator plant, bathtub plant, and former Hahn plant at Bohumin.
 - d. Wire-drawing plant in Bohumin.
 - e. Smelting plant at Liskovec near Frydek.
 - f. Chain plant in Ceska Ves near Jesonik, with branches in Mala Moravka and Bruntal.
 - g. Chain plant in Vamberk.
 - h. Canning plant and insulating plant in Kolin.
 - i. United File Works in Silesia, including three nationalized establishments.
2. Production consists of the following:
 - a. Crude white steel, grey pig iron, and special steel. Rolled semi-finished products, rails including train rails, angle iron for structural use, U-beams, T-beams, I-beams, and wires. Pressed steel: Parts for rail switches and steel rail ties including screws.
 - b. All types of castings.

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c. Steam and water radiators and bathtubs produced at the piping plant. This plant was erected in 1943-45 from the rolling mill and was fitted with a special production unit and testing unit, Mannesmann system, for Panzerfaust (bazooka) and Panzerschreck (?) production. A construction department under the direction of the Transporta firm is being built and a sheet-tempering plant* has already been set up but without the rolling mill. This mill, purchased by director Ing. Picman, is to come [redacted] together with a rolling mill for the Trinec plant.

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d. Steel and non-ferrous wires, nails, and barbed wire.

e. Sheetmetal of all kinds.

f. 1) Commercial, crane and tie chains, nails and wires including those from non-ferrous materials if available, knotted Viktor and Herkules chains, and snow chains.

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2) Pressed parts, ship chains, anchor chain stops [redacted] and smithery products.

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3) Foundry for grey cast iron, cast steel, steel filings to be used as fillers. Liquidation of this foundry was begun in November 1947.

g. Driving chains, rolled parts by the cold pressing plant, external and internal rings for ball bearings, drawn steel and copper wire.

h. Cans. Heat panelling for steam, water and air circuit.

i. Cutting files.

3. The Banska a Hutni chain plant at Ceska Ves employs 340 workers and 31 technical and administrative clerks. Three shifts are operated: from 6 a.m. to 2 p.m., from 2 p.m. to 10 p.m.; from 10 p.m. to 6 a.m. The plant has three hydroelectric power stations. For small falls, Kaplan's turbines at power stations II and III are used; for a deep fall of 4.8 m, the turbine at power station I is used. The transformer room is in the plant. In case of emergency, the circuit is connected with the East Moravian Electricity Works.

4. Coal is brought directly to the Ceska Ves plant from the Ostrava-Karvin Mines, National Corporation, on a plant branch line. Brown coal comes from the North Bohemian Brown Coal Mines on this branch line. The plant has two sawmills which are used for the production of barrels and cases for packing chains.

5. The Ceska Ves plant has the following workshops:

a. A system of rod stands for wire-drawing.

b. Bending shop which has bending machines for chains; produces in 8 hours up to 1,200 kg with a diameter of approximately 4.5 mm.

c. Welding shop, fully mechanized and capable of keeping pace with the bending shop for wire under 12 mm. The welding process for a larger size is much slower.

d. Nail shop, equipped with steam hammers and pressing machines; produces 6,000 kg of a length of 100 mm and a diameter of 2.1 - 2.2 mm.

e. Pressing plant, whose output is difficult to estimate because of the variety of work.

f. Assembly shop for snow chains: 200 pairs in 16 hours (morning and afternoon shifts). Six hundred thousand pairs of chains, including snow, sand and ground chains, are being manufactured for the Soviet army.

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Attachments: I Sketch showing positions of equipment in the Gesky Ves plant,
with legend.

II Sketch showing division of operations in plant.

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*  Comment: The layout of this tempering plant is excellent. Semi-automatic
Volman-Slavin tempering machines are being installed there. These machines
work on the principle of vibration heating as does the German machine.

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Legend to Attachment I

- 1-4 Assembly tables for snow and sand chains. Each table is 2.6 m in size with side tension and continuous side chains for constant process. Two people work at each table on a piecework basis, producing 120 sand chains and 80 snow chains in one shift.
- 5-7 Emergency stocks of goods to be used when a department's output is deficient.
- 8 Calibration and fracturing machine used for crane chains; calibration is done under the limit of Hookes' Law, under the tension limit and for a length of 22 links. The fracture pincers depend on friction and are mobile on two bogies behind a pneumatic plunger.
- 9 System of coupled automatic welding machines for link chains with blunt resistance front welding. A row contains 12 couples.
- 10 (Not identified)
- 11 System of coupled automatic welding machines for fine link chains.
- 12 Single automatic welding machines for various types of link chains. The machines are used during the finishing process to measure chains and to cut out individual links of the chain length during repairs.
- 13 Machine for winding wire of any diameter into spirals. Output is 96 kg a minute.
- 14 Steam hammer for supplementary linking of open links for tie chains.
- 15 Department No. 13 rebuilt to produce rings as joints for finishing.
- 16, 17 Polishing drums.
- 18 12 quick-bending machines.
- 19-21 Manual welding machines and openers for faulty chain links.
- 22 Set of 24 bending machines for links 60 mm long; thickness of rod is 12 mm.
- 23, 24 Friction-driven presses.
- 25-32 High-speed Ringhofer presses with adapted automatic feed and ejector. Specialization of each press: 25, tie chains; 26, snow and sand chain locks; 27, swivels; 28, clips; 29-30, an installation with drawing machines; 31, underlay pressing machine; 32, finishing pressing machine.
- 33 Box pressing machine.
- 34 Polishing drum.
- 35 Strebl fire tube boiler, with fixed grate rods on a grate carrier with spiral feed of fuel. Ash is automatically carried away in the lower part. The load limit of superheated steam is 0.6 tons per hour if the boiler is used with a carburetor for crude petroleum.
- 36 Field forge.
- 37, 38 Universal grinding machines for center grinding, supplied by the firm of Podhajsky & Co., Prague: Machine 37 for grinding shafts, journals and axles of 1,200 mm length. Machine 38 for grinding cylindrical hollow parts and dies.
- 39 Field forge.
- 40, 41 Mobile tempering oil baths.

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Legend to Attachment I (con't)

- 42 Tool room and calibrating department of the fitter's shop; is a branch of the main store.
- 43 Center lathe, Volmann 2.5 hp; distance between centers 1,100 (?), adjustable to 7,000.
- 44, 45 2 Universal vertical milling machines MAS.
- 46 Center lathe, Podhajsky 2.1 hp, instrument maker.
- 47 Concrete tank for tempering of cemented chains.
- 48 Cementing furnace.
- 49 Boiler for hot water supply, electric heating.
- 50 Automatic machine for screw-cutting with variable jigs for metric threads and threads in wood.
- 51 Gravity water reservoir with 8 m. fall.
- 52 Twisting machines.
- 53 Automatic twisting machines with measuring device.
- 54 Adjustable shears.
- 55 Set of nail-pressing machines.
- 56 Nail steam hammers.
- 57 Steam hammer for hooks.
- 58 Elevator for distance between level of store and plant.
- 59 Nail sorting and packing automatic machines.
- 60, 61 Series of polishing drums.
- 62 Knot-making machines for chains of Hercules and Viktor types (not indicated).
- 63 Feed pumps.
- 64 Automatic packing machine for wire rolls.
- 65 Mechanical chain-testing shop.
- 66 Series of grinding machines for grinding drawn metal. Grinding is done by equidistantly moving steel pins with oily deposit of diamond dust, which come from Belgium.
- 67 Vacuum furnace for fusing deposits of wire drawings.
- 68 Manual test wire drawer.
- 69 Inhibitor producing station.
- 70 Fine wire drawer; set of tables.
- 71 Flattening tables for square material.

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Legend to Attachment I (con't)

- 72 Equalizing wire-drawing table for drawn silvered material (cold-drawn steel).
- 73 Rough drawing table, interrupted draw.
- 74, 75 Medium table, continuous, repeated draw.
- 76 Serration table.
- 77 Central transformer station.
- 78 Distributor and switchroom.
- 79 In order of size, the third Kaplan turbine for low fall.
- 80, 81 Recrystallizing tanks of pine wood.
- 82 Neutralizing and flush tanks.
- 83 Various pickling tanks.
- 84 Sulphuric acid boiler.
- 85 Transfer pumps for crystallized acids.
- 86 Sedimentation station.
- 87 Working stock of pickled wire.
- 88 Automatic travelling portal crane, for use in pickling room.
- 89 Travelling double portal crane, for service in the yard and supplying the pickling room with wire.
- 90 Stores of replacement parts, machines, dies, semi-finished products.
- 91 Calcination shop.
- 92 Chimney for the calcination shop.
- 93 Chimney for the boiler house.

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